

AMENDMENT UNDER 37 C.F.R. § 1.116
U. S. Application No. 09/659,580

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A recording method of an information recording medium for recording information, comprising:
detecting a recording status of the information recording medium; and
when the information is recorded according to a simple format, recording, in response to the detected recording status, a recording control data according to the simple format, whose recording amount is smaller as compared to a predetermined recording control data according to a standard format.
2. (previously presented): The recording method of the information recording medium according to Claim 1,
wherein the information recording medium includes a data recording area, a recording manager area, a lead-in area, and a lead-out area, each set according to the standard format; and the recording control data is recorded in the recording manager area and the lead-in area.
3. (previously presented): The recording method of the information recording medium according to Claim 2, wherein
in the lead-out area, the lead-out information for an integer times of an error correction unit block is recorded.

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4. (previously presented): The recording method of the information recording medium according to Claim 2, wherein lead-out information for 32 ECC blocks is recorded in the lead-out area when information is recorded according to the simple format.

5. (previously presented): The recording method of the information recording medium according to Claim 1, wherein

when the finalizing processing is conducted on the information recording medium in which information is recorded according to the simple format, the recording control data according to the standard format is recorded.

6. (previously presented): The recording method of the information recording medium according to Claim 1, wherein

when the information recording is indicated, the information in the delay time required up to the actual recording start of the information is temporarily held, and the held information is recorded from the start time of the actual recording.

7. (currently amended): An information recording apparatus which records information on an information recording medium, comprising:

means for recording the information on the information recording medium according to a standard format or a simple format;

a recording control data recording unit configured to record a recording control data according to the simple format, whose recording amount is smaller as compared to a predetermined recording control data according to the standard format, when the means for recording the information records information on the information recording medium according to the simple format.

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8. (previously presented): The information recording apparatus according to Claim 7, wherein the information recording medium includes a data recording area, a recording manager area, a lead-in area, and a lead-out area, each set according to the standard format; and the recording control data is recorded in the recording manager area and the lead-in area.

9. (previously presented): The information recording apparatus according to Claim 8, wherein

said recording control data recording unit records lead-out information in the lead-out area for 32 ECC blocks when information is recorded according to the simple format.

10. (previously presented): The information recording apparatus according to Claim 7, further comprising:

a finalizing processing means for re-recording the recording control data according to the standard format on the information recording medium on which the information.

11. (previously presented): The information recording apparatus according to Claim 7, further comprising:

an information storing means for temporarily holding the information in the delay time necessary up to the actual recording start of the information by the means for recording the information, when the information recording is indicated;

wherein the means for recording the information records the stored information from the start time of the actual recording.

12. (currently amended): An information recording apparatus which records information on an information recording medium, comprising:

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a recording unit which records the information on the information recording medium according to a standard format or a simple format;

a recording control data recording unit configured to record a recording control data according to the simple format, whose recording amount is smaller as compared to a predetermined recording control data according to the standard format, when the recording unit records information on the information recording medium according to the simple format.

13. (previously presented): The information recording apparatus according to Claim 12, wherein the information recording medium includes a data recording area, a recording manager area, a lead-in area, and a lead-out area, each set according to the standard format; and the recording control data is recorded in the recording manager area and the lead-in area.

14. (previously presented): The information recording apparatus according to Claim 13, wherein said recording control data recording unit records lead-out information in the lead-out area for 32 ECC blocks when information is recorded according to the simple format.

15. (previously presented): The information recording apparatus according to Claim 12, further comprising:

a finalizing processor which re-records the recording control data according to the standard format on the information recording medium on which the information had previously been recorded by the recording unit according to the simple format.

16. (previously presented): The information recording apparatus according to Claim 12, further comprising:

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an information storage unit for temporarily holding the information in the delay time necessary up to the actual recording start of the information by the recording unit, when the information recording is indicated;

wherein the recording unit records the stored information from the start time of the actual recording.

17. (previously presented): The method according to Claim 1, wherein information is recorded according to the simple format when it is detected that the information recording medium is a blank disc at the detecting step.

18. (previously presented): The method according to Claim 3, wherein in the lead-out area, a predetermined amount of lead-out information is recorded when information is recorded according to the simple format, and

wherein the predetermined amount is smaller than an amount of lead-out information according to the standard format.

19. (currently amended): A recording apparatus which records information onto an information recording medium, comprising:

a detection unit which detects a recording status of the information recording medium, and

a recording unit which, in response to the detected recording status, records control data according to a simple ~~format~~format, whose recording amount is smaller as compared to the predetermined control data according to a standard format.

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20. (previously presented): The apparatus according to Claim 19, wherein the recording unit records information according to the simple format when the detection unit detects that the information recording medium is a blank disc.

21. (previously presented): The apparatus according to Claim 19, wherein the information recording medium includes a data recording area, a recording management area, a lead-in area, and a lead-out area, and

wherein the control data is recorded in the recording management area and the lead-in area.

22. (previously presented): The apparatus according to Claim 21, wherein the recording unit records lead-out information in the lead-out area for an integer times of an error correction unit block when information is recorded according to the simple format.

23. (previously presented): The apparatus according to Claim 21, wherein the recording unit records lead-out information in the lead-out area for 32 BCC blocks when information is recorded according to the simple format.

24. (previously presented): The apparatus according to Claim 21, wherein the recording unit records a predetermined amount of lead-out information in the lead-out area when information is recorded according to the simple format, and

wherein the predetermined amount is smaller than an amount of lead-out information according to the standard format.

25. (previously presented): The apparatus according to Claim 19, further comprising a finalization unit which conducts finalization processing on the information recording medium in which information is recorded according to the simple format,

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wherein the finalization processing includes recording of the control data according to a standard format.

26. (currently amended): The apparatus according to Claim 19, further comprising a storage unit which temporarily stores information to be recorded,

wherein when an information recording is instructed, the information in a delay time required up to actual recording start of the information is temporarily stored in the storage meansunit, and the stored information is recorded from the start time of the actual recording.